

Committee Problem

~~20~~ male AND female

9C_3 • 7C_2

84 • 21 = 1764

possible
comm.

Drawing Cards

$\overset{2}{\underbrace{\quad}} \quad \cdot$
AS KS

1

11

50^C_{11}

$37,353,738,800$

hands

Study Groups

1) $30C_5 = 142,506$ groups

2) $18C_2 \cdot 12C_3 =$
 $153 \cdot 220 = 33,660$

$$\begin{array}{ll} 3) & 3B \\ & 18C_3 \end{array} \quad \begin{array}{l} \text{AND } 26 \\ \cdot \\ 12C_2 = 816 \cdot 66 = 53856 \end{array}$$

$$\begin{array}{ll} \text{or} & 2B \\ & 18C_2 \end{array} \quad \begin{array}{l} \text{AND } 36 \\ \cdot \\ 12C_3 = 153 \cdot 220 = 33660 \end{array}$$

$$\begin{array}{ll} \text{or} & 1B \\ & 18C_1 \end{array} \quad \begin{array}{l} \text{AND } 46 \\ \cdot \\ 12C_4 = 18 \cdot 495 = 8910 \end{array}$$

$$\begin{array}{ll} \text{or} & 0B \\ & 18C_0 \end{array} \quad \begin{array}{l} \text{AND } 56 \\ \cdot \\ 12C_5 = 792 \end{array} = \frac{792}{97,218}$$